

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A valve assembly, comprising:
a replacement valve; and
a collapsible and expandable flared, tubular anchoring structure,
said anchoring structure having three a plurality of elliptical shaped members flared
outwardly at proximal and distal ends of the ellipse and joined side by side substantially midway
between the proximal and distal ends of the ellipse segments joined side by side to form junctures,
and being dimensioned to lodge inside a native valve sinus.
2. (Cancelled)
3. (Currently amended) The valve assembly of claim 55 1, wherein said junctures define longitudinal support post areas.
4. (Currently amended) The valve assembly of claim 56 3, wherein said longitudinal support post areas are configured to coincide with the sinus commissural posts.
5. (Cancelled)
6. (Currently amended) The valve assembly of claim 55 1, wherein said elliptical segments members are joined by a double crimp.
7. (Currently amended) The valve assembly of claim 54 1, wherein said elliptical segment anchoring structure is made of a material with a high modulus of elasticity.
8. (Cancelled)

9. (Currently amended) The valve assembly of claim 54 1, wherein said elliptical segment anchoring structure is made from one piece of tubing.

10. (Currently amended) The valve assembly of claim 64 9, wherein said elliptical segment anchoring structure comprises a plurality of support posts.

11. (Currently amended) The valve assembly of claim 62 10, wherein said support posts comprise axial slots oriented toward the outflow end.

12. (Currently amended) The valve assembly of claim 63 11, wherein said support posts comprise a plurality of suture bores.

13. (Currently amended) The valve assembly of claim 62 10, wherein said support posts are configured to coincide longitudinally with the sinus commissural posts.